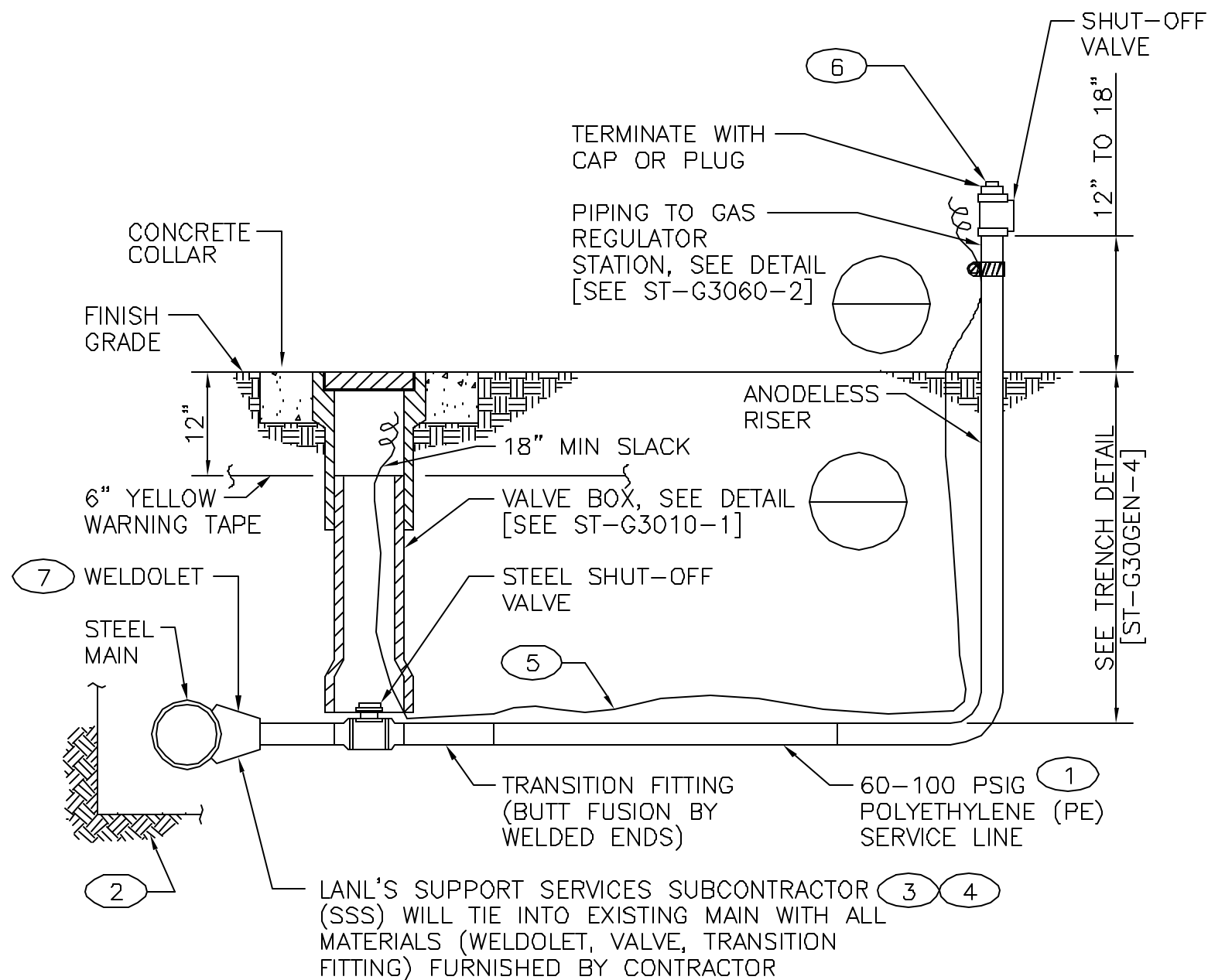


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GAS PIPING TIE-IN DETAIL

SCALE: NONE

NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 4.
2. PROVIDE 2" MINIMUM STEEL SHUT-OFF VALVE AND 1", 1 1/4", 2", OR 3" PE SERVICE LINES.

KEYED NOTES:

- 1 RUN NEW SERVICE LINE TO WITHIN 6" OF EXISTING MAIN.
- 2 MINIMUM BELL HOLE AT BOTTOM OF TRENCH: 24" FROM CENTERLINE OF NEW PIPE ON EACH SIDE; 18" FROM EDGE ON BACK SIDE; 4'-0" IN FRONT OF MAIN (LENGTH OF BELL HOLE); 18" UNDER MAIN. TAPER OR STEP TRENCH TO MEET OSHA REQUIREMENTS.
- 3 LANL CONSTRUCTION INSPECTOR WILL ENSURE MATERIALS REQUIRED FOR TIE-IN ARE AT THE JOB SITE, SERVICE LINE HAS BEEN PRESSURE TESTED, AND BELL HOLE IS DUG PRIOR TO NOTIFYING SSS.
- 4 LANL CONSTRUCTION INSPECTOR WILL NOTIFY SSS 2 WEEKS IN ADVANCE TO SCHEDULE TIE-IN, TRACER WIRE CONTINUITY TESTING, AND UTILITY DOCUMENTATION.
- 5 INSTALL CONTINUOUS (NO SPLICING) INSULATED #10AWG THHN/THWN YELLOW SOLID COPPER TRACER WIRE 6" ABOVE PIPING WITH NO DIRECT CONTACT TO PIPING. EXTEND 12" MINIMUM ABOVE GRADE AND SECURE TO PIPING WITH HOSE CLAMP.
- 6 LOCATE STUB-OUT FOR GAS REGULATOR 8" TO 12" FROM BUILDING. ENSURE PIPING IS STRAIGHT, LEVEL AND PLUMB WITH BUILDING.
- 7 WHEN TIE-IN PIPING IS EQUAL TO OR EXCEEDS 1/2 OF DIAMETER, MAKE TIE-IN WITH FULL CIRCLE WELD CLAMP OR BY CUTTING IN A TEE.

DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

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| 1 | 8-22-02 | U | GENERAL REVISION AND DWG. NO. WAS 978510. | RP | JD | MS | EH | TO |
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| FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE | | | | | | | | |
| LANL ENGINEERING MANUAL | | | | DRAWN | R. PEARSON | | | |
| GAS PIPING TIE-IN DETAIL PE SERVICE LINE TO STEEL MAIN | | | | DESIGN | J. GONZALES | | | |
| BLDG. X | | | | CHECKED | M. SMITHOUR | | | |
| SUBMITTED | | | | DATE | 8-28-99 | | | |
| DISCIPLINE: POC: E. HOTH | | | | APPROVED FOR RELEASE | STANDARDS MANAGER: TOSHI GRUCH | | | |
| Los Alamos NATIONAL LABORATORY | | | | SHEET | 2 | | | |
| PO Box 1663 Los Alamos, New Mexico 87545 | | | | 2 | or | | 4 | |
| CLASSIFICATION: U | | | | REVIEWER: LARRY BAYS | DATE | | REV | |
| PROJECT ID: CHAPTER 3 | | | | DRAWING NO: ST-G3060-1 | | 1 | | |